FIG. 1

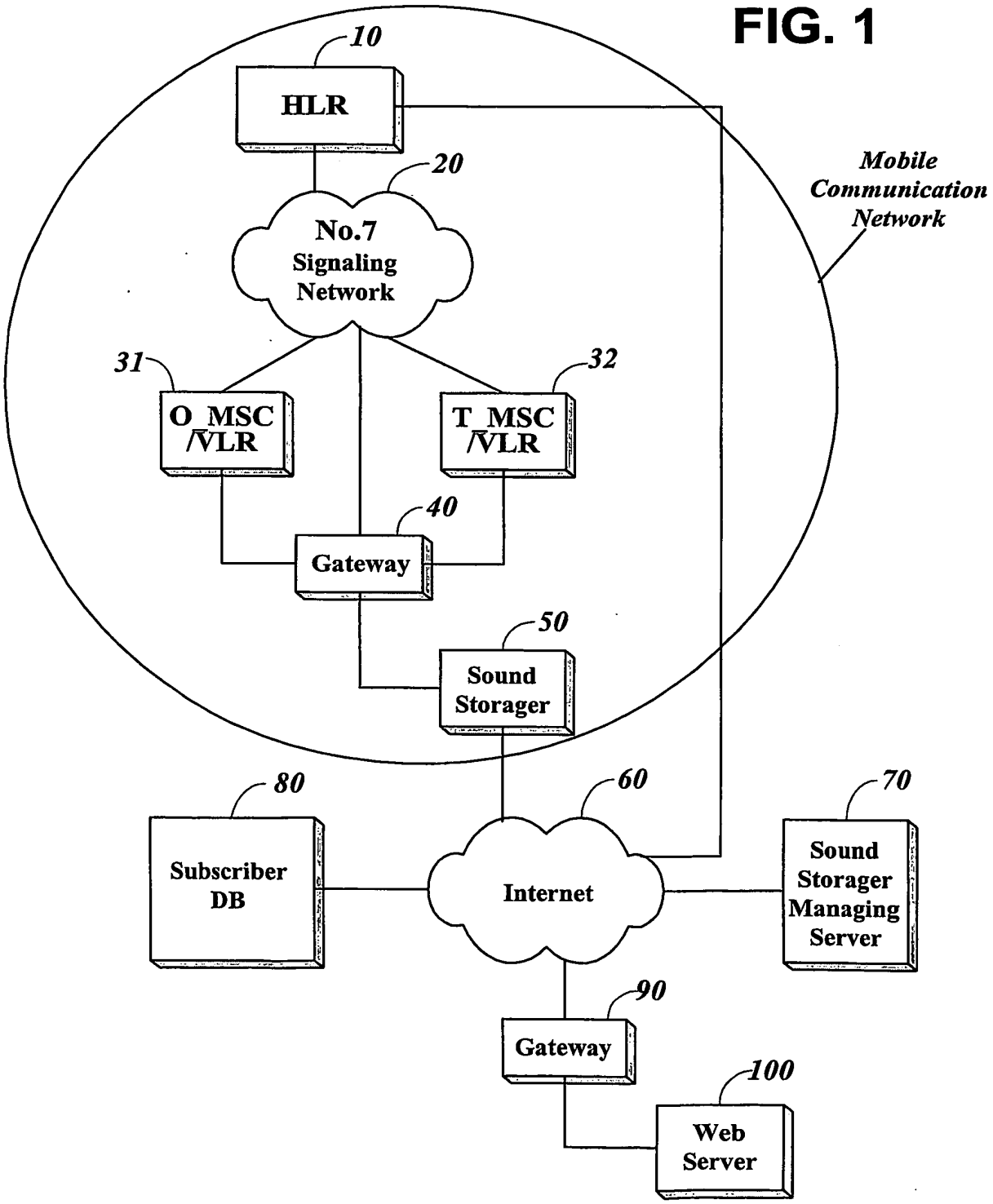
10
HLR
20
No.7
Signaling
Network
Mobile
Communication
Network
31
O_MSC
/VLR
32
T_MSC
/VLR
40
Gateway
50
Sound
Storager
80
Subscriber
DB
60
Internet
70
Sound
Storager
Managing
Server
90
Gateway
100
Web
Server

FIG. 2

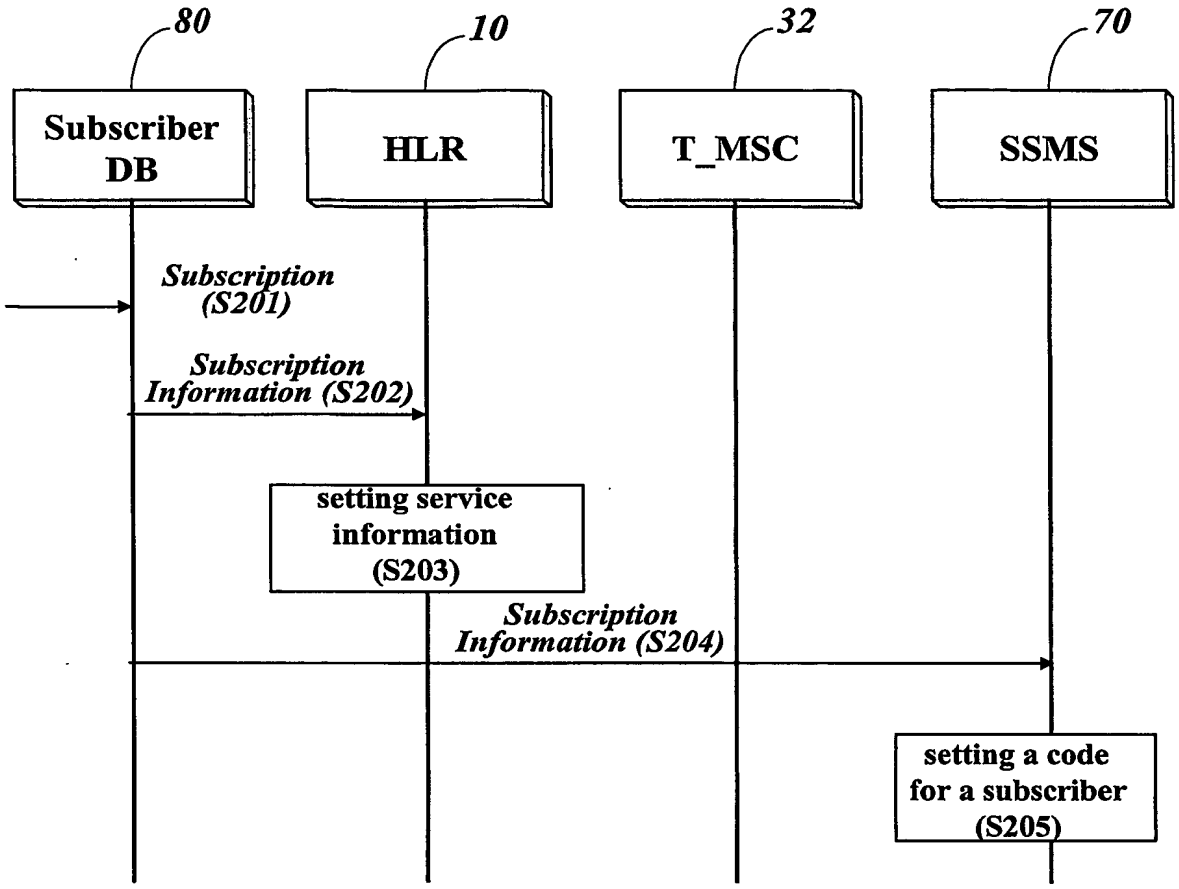
80
10
32
70
Subscriber DB
HLR
T_MSC
SSMS
Subscription (S201)
Subscription Information (S202)
setting service information (S203)
Subscription Information (S204)
setting a code for a subscriber (S205)

FIG. 3

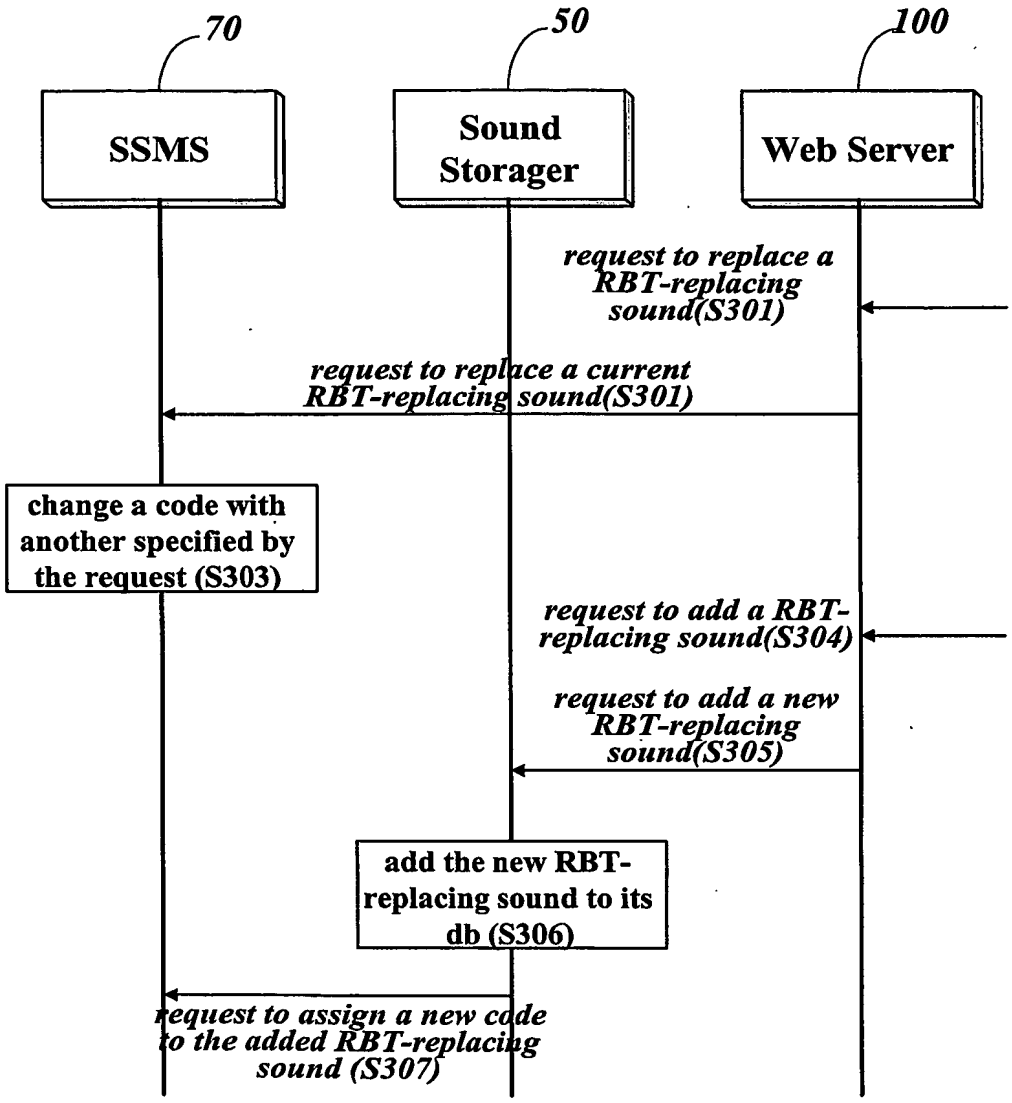
70
50
100
SSMS
Sound Storager
Web Server
request to replace a RBT-replacing sound(S301)
request to replace a current RBT-replacing sound(S301)
change a code with another specified by the request (S303)
request to add a RBT-replacing sound(S304)
request to add a new RBT-replacing sound(S305)
add the new RBT-replacing sound to its db (S306)
request to assign a new code to the added RBT-replacing sound (S307)

FIG. 4

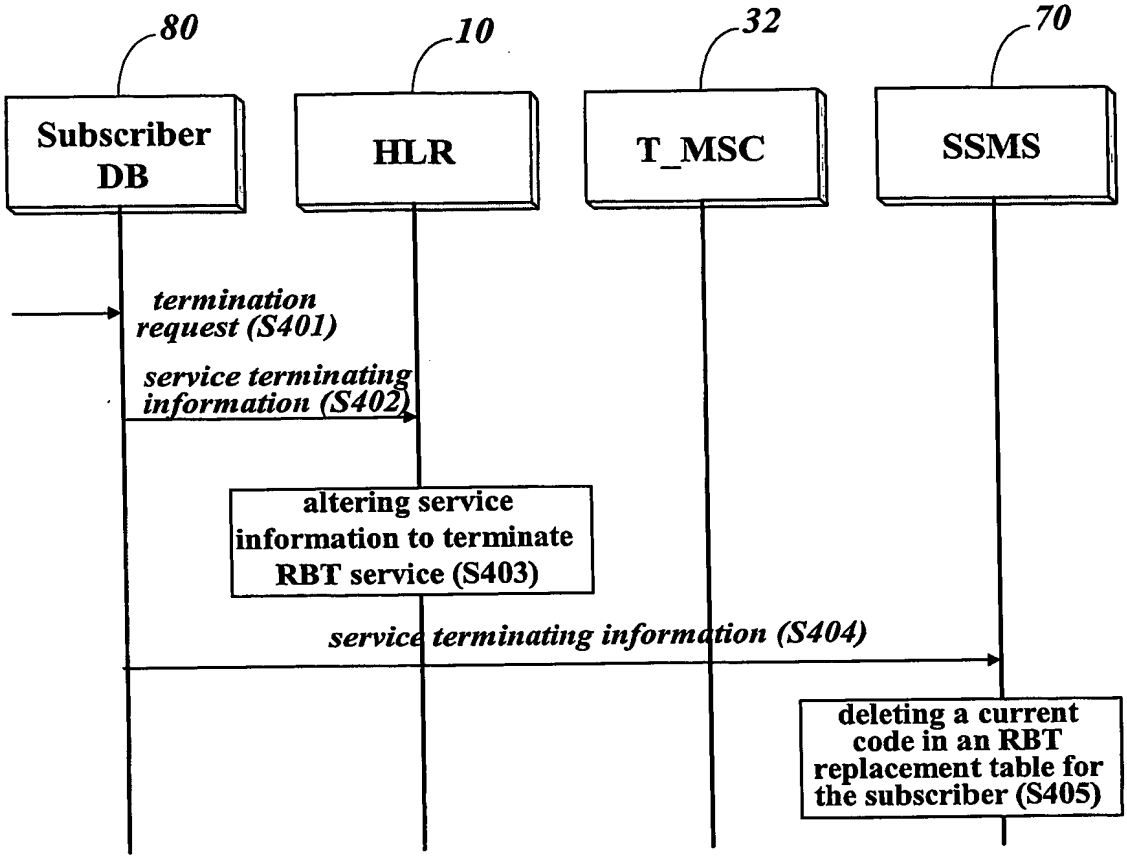
80
10
32
70
Subscriber DB
HLR
T_MSC
SSMS
termination request (S401)
service terminating information (S402)
altering service information to terminate RBT service (S403)
service terminating information (S404)
deleting a current code in an RBT replacement table for the subscriber (S405)

FIG. 5

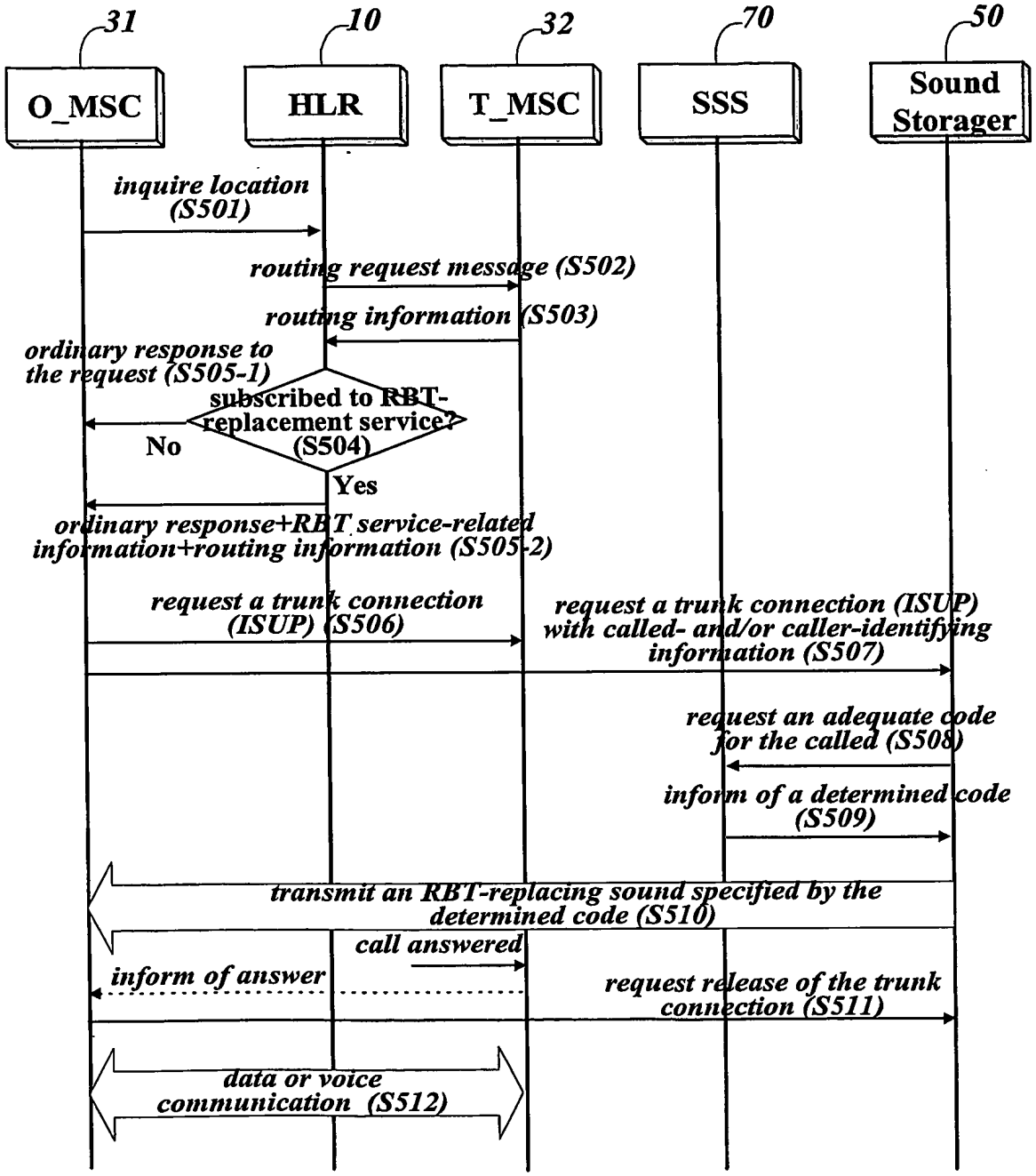
31
10
32
70
50
O_MSC
HLR
T_MSC
SSS
Sound Storager
inquire location (S501)
routing request message (S502)
routing information (S503)
ordinary response to the request (S505-1)
subscribed to RBT-replacement service? (S504)
No
Yes
ordinary response+RBT service-related information+routing information (S505-2)
request a trunk connection (ISUP) (S506)
request a trunk connection (ISUP) with called- and/or caller-identifying information (S507)
request an adequate code for the called (S508)
inform of a determined code (S509)
transmit an RBT-replacing sound specified by the determined code (S510)
call answered
inform of answer
request release of the trunk connection (S511)
data or voice communication (S512)

FIG. 6

Parameter=CallingFeaturesIndicator2				Length=V		Tag=H'9fff7d			
Contents								meaning	
H	G	F	E	D	C	B	A	Octet	Notes
VMSB		VMSU		MC		CC		1	a
FMSNA		FMSB		FMSU		VMSNA		2	
SRBT		NCW		Prefer_Sys		MUDN		3	
.....								n	

defined 'reserve' field before